

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

**APPLICATION FOR PERMIT TO DRILL**

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
2. NAME OF OPERATOR: Newfield Production Company		8. UNIT or CA AGREEMENT NAME: NA	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052		9. WELL NAME and NUMBER: Wilcken 16-24-4-2	
PHONE NUMBER: (435) 646-3721		10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: SE/SE 684' FSL 781' FEL 580944X 40.115141 44407594 -110.050112 AT PROPOSED PRODUCING ZONE:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 24 4S 2W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 8.1 miles south of Myton, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 539' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: NA	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA	19. PROPOSED DEPTH: 6,825	20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5323' GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: (7) days from SPUD to rig release	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24.0	300	Class G w/2% CaCl 155 sx +/- 1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,825	Lead(Prem Lite II) 275 sx +/- 3.26 11.0
			Tail (50/50 Poz) 450 sx +/- 1.24 14.3

**RECEIVED**

**APR 06 2009**

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie Crozier

TITLE Regulatory Specialist

SIGNATURE Mandie Crozier

DATE 4/2/09

(This space for State use only)

API NUMBER ASSIGNED: 43013-34260

APPROVAL:

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/06/2009

API NO. ASSIGNED: 43-013-34260

WELL NAME: WILCKEN 16-24-4-2

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SESE 24 040S 020W

SURFACE: 0684 FSL 0781 FEL

BOTTOM: 0684 FSL 0781 FEL

COUNTY: DUCHESNE

LATITUDE: 40.11514 LONGITUDE: -110.05011

UTM SURF EASTINGS: 580949 NORTHINGS: 4440759

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

*DKD*

*6/17/09*

Geology

Surface

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[] Ind[] Sta[] Fee[]  
(No. *601834*)  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. *43-7478*)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)  
☒ Fee Surf Agreement (Y/N)  
\_\_\_\_ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_\_ R649-2-3.

Unit: \_\_\_\_\_

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_\_ R649-3-3. Exception

\_\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

*Needs Permit (04-30-09)*

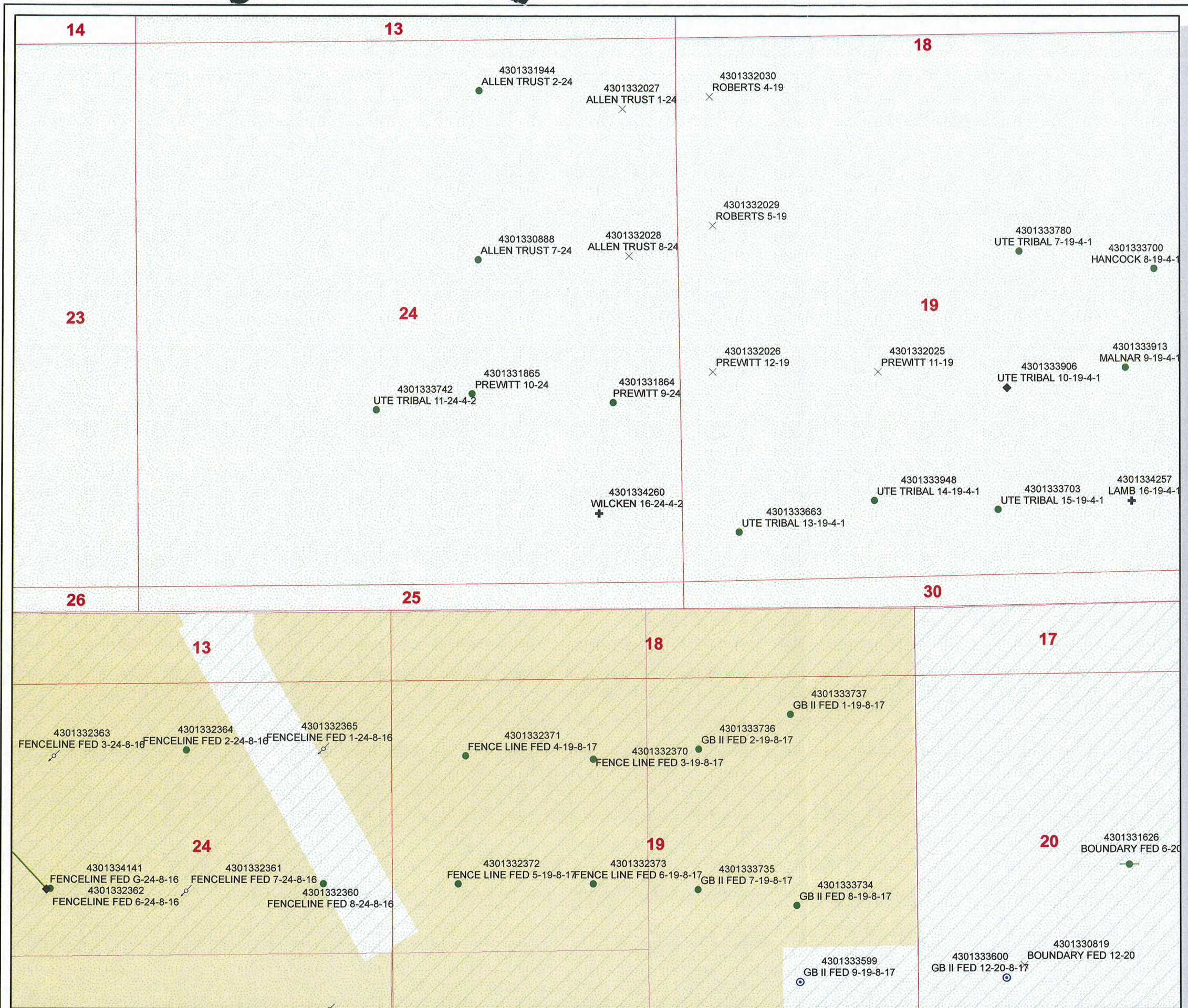
STIPULATIONS: \_\_\_\_\_

*1- Spacing Slip*

*2- STATEMENT OF BASIS*

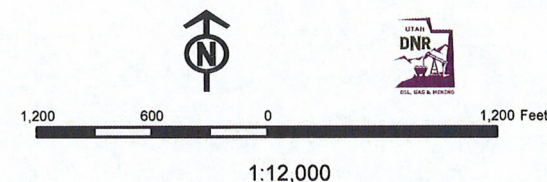
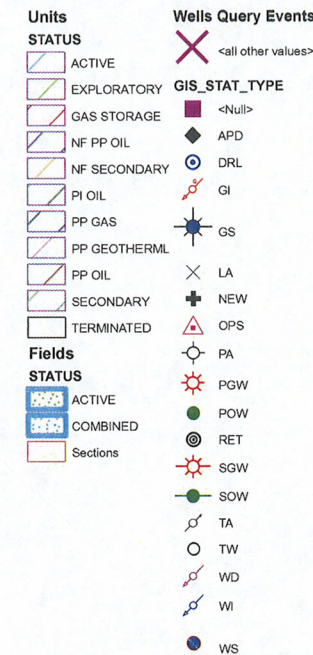
*3- Surface Csg/Lent Slip*





**API Number: 4301334260**  
**Well Name: WILCKEN 16-24-4-2**  
**Township 04.0 S Range 02.0 W Section 24**  
**Meridian: UBM**  
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
Map Produced by Diana Mason





# Application for Permit to Drill

## Statement of Basis

5/12/2009

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
1401	43-013-34260-00-00		OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	WILCKEN 16-24-4-2		Unit		
Field	MONUMENT BUTTE		Type of Work		
Location	SESE 24 4S 2W U 684 FSL 781 FEL GPS Coord (UTM) 580949E 4440759N				

### Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 600'. A search of Division of Water Rights records shows 11 water wells within a 10,000 foot radius of the center of Section 24. All wells are privately owned. Depth is listed for only one well at 24 feet. Water use is listed as irrigation, stock watering, and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to cover the estimated base of the moderately saline ground water.

Brad Hill

5/12/2009

APD Evaluator

Date / Time

### Surface Statement of Basis

The proposed location is approximately 8.1 road miles south of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 13 miles downstream from the location. Broad flats in Pleasant Valley frequently used for agriculture and surrounding lands with broken topography characterize the area. The topography is intersected by drainages with gentle to moderate side slopes. Access is by State and County roads. Two hundred and sixty feet of new construction across Wilken's private land will be required to reach the location.

The proposed Wilcken 16-24-4-2W oil well location is range type lands in south Pleasant Valley. The pad is oriented longitudinally down a gentle north slope that leads away from a broad flat located to the south. The terrain of the side-slope is undulating with minor swales and rises. A Duchesne County road is to the north of the site. The location has been moved to the west edge of the drilling window to avoid a significant swale, which lies to the east. Corner 2 will miss this swale that begins south of the location and continues along the east side. Corner 8 is planned to be rounded to avoid excessive fill in this area. No other significant swales intersect the pad and no diversions well are required. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Mr. Larry Wilcken owns both the surface and minerals of the location. Mr. Wilcken attended the pre-site evaluation. He had no concerns regarding the proposal.

Floyd Bartlett

4/30/2009

Onsite Evaluator

Date / Time

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# Application for Permit to Drill

## Statement of Basis

5/12/2009

Utah Division of Oil, Gas and Mining

Page 2

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### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** WILCKEN 16-24-4-2  
**API Number** 43-013-34260-0 **APD No** 1401 **Field/Unit** MONUMENT BUTTE  
**Location:** 1/4,1/4 SESE **Sec** 24 **Tw** 4S **Rng** 2W 684 FSL 781 FEL  
**GPS Coord (UTM)** 580955 4440755 **Surface Owner**

### **Participants**

Floyd Bartlett (DOGM), Tim Eaton and Brian Foote (Newfield Production Co.) Larry Wilcken (Land and Mineral Owner), Ted Wilcken (Father), Eric Wilcken (Son)

### **Regional/Local Setting & Topography**

The proposed location is approximately 8.1 road miles south of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 13 miles downstream from the location. Broad flats in Pleasant Valley frequently used for agriculture and surrounding lands with broken topography characterize the area. The topography is intersected by drainages with gentle to moderate side slopes. Access is by State and County roads. Two hundred and sixty feet of new construction across Wilken's private land will be required to reach the location.

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### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.05	Width 199 Length 290	Onsite	UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Deseret shrub type consisting of horsebrush, cheatgrass, halogeton, Indian ricegrass, globe mallow, bud sage, black sage, greasewood, winter fat, curly mesquite, rabbit brush festuca spp., and spring annuals.

Cattle, deer, prairie dogs, small mammals and birds.

**Soil Type and Characteristics**

Moderately deep shaley sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 20 1 **Sensitivity Level**

**Characteristics / Requirements**

The reserve pit is 40' x 80' x 8' deep located in an area of cut on the southwest side of the location. A pit liner is required. Newfield commonly uses a 16 mil liner.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

**Other Observations / Comments**

Floyd Bartlett  
Evaluator

4/30/2009  
Date / Time



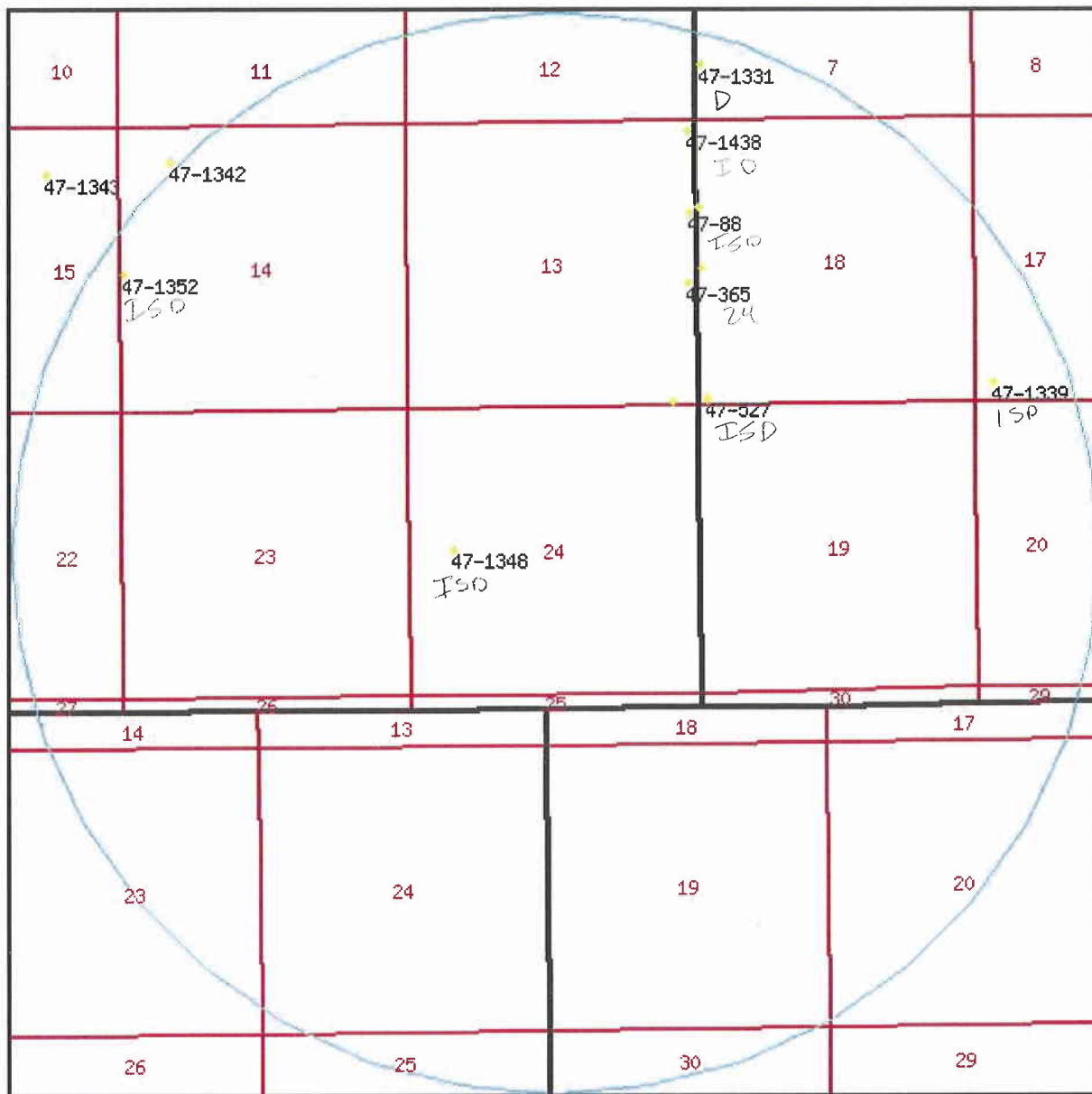
Search all of

# Utah Division of Water Rights

## Output Listing

Version: 2009.05.06.00      Rundate: 05/12/2009 02:03 PM

Radius search of 10000 feet from a point N2640 E2640 from the SW corner, section 24, Township 4S, Range 2W, US b&m Criteria:wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



0 1300 2600 3900 5200 ft



## Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner
<u>47-1331</u>	Underground N1030 E100 SW 07 4S 1W US		P	19481202	DS	0.015	0.000	RUDOLPH J. MA 7504 WATERLOC
<u>47-1334</u>	Underground N120 E150 SW 18 4S 1W US		P	19450306	DS	0.015	0.000	MARVIN L. ROS MYTON UT 8405
<u>47-1337</u>	Underground S90 E100 W4 18 4S 1W US		P	19471218	DIS	0.011	0.000	SCOTT ERWIN A HARVEY RT 3 BOX 3710
<u>47-1338</u>	Underground S1600 E75 NW 18 4S 1W US		P	19510302	DIS	0.015	0.000	MYTON WARD I MYTON UT 8405
<u>47-1339</u>	Underground N375 E347 SW 17 4S 1W US		P	19510303	DIS	0.015	0.000	M & V FOUNDA 380 EAST MAIN, 2ND FLOOR
<u>47-1342</u>	Underground S660 E940 NW 14 4S 2W US		P	19541115	DIS	0.015	0.000	MARION & GLA MYTON UT 8405
<u>47-1343</u>	Underground S840 E1320 N4 15 4S 2W US		P	19541117	DIS	0.015	0.000	LORYN S. & BAF MYTON UT
<u>47-1348</u>	Underground N50 E800 W4 24 4S 2W US	<u>well info</u>	P	19610222	D	0.033	0.000	ALLAN E. AND S SMITH P.O. BOX 153
<u>47-1352</u>	Underground S60 E50 W4 14 4S 2W US		P	19571022	DIS	0.015	0.000	JOSEPH E. WILC MYTON UT 8405
<u>47-1438</u>	Underground S200 W130 NE 13 4S 2W US		P	19330000	DIS	0.015	0.000	RUDOLPH J. MA 7504 WATERLOC
<u>47-255</u>	Underground N60 W470 SE 13 4S 2W US		P	19490711	DIS	0.015	0.000	NATHAN D. ALL MYTON UT 8405
<u>47-365</u>	Underground S375 W160 E4 13 4S 2W US	<u>well info</u>	P	19630105	S	0.015	0.000	SCOTT ERWIN A HARVEY RT. 3 BOX 3710
<u>47-527</u>	Underground		P	19660908	DIS	0.015	0.000	MARVIN L. ROS

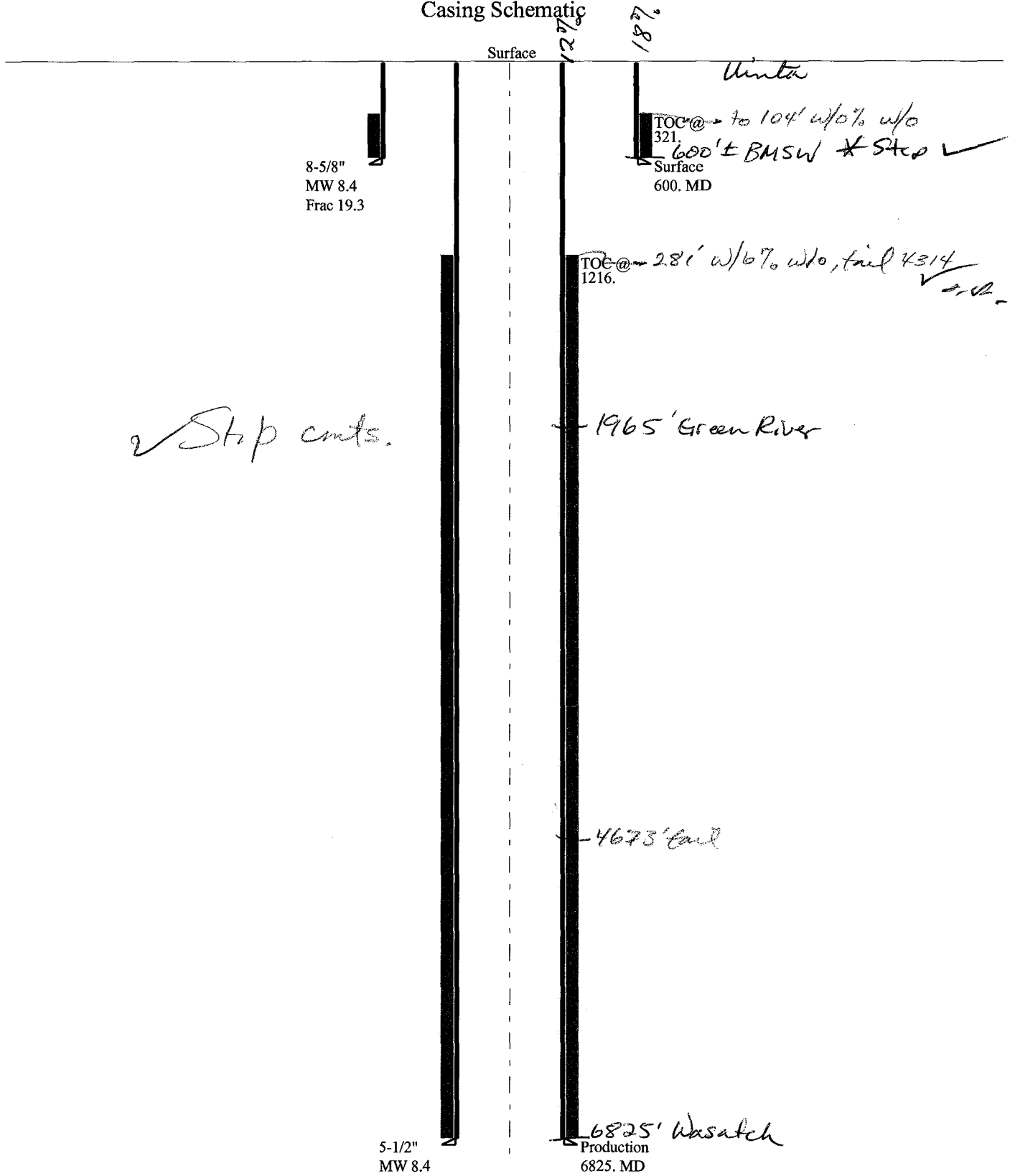
	N125 E155 SW 18 4S 1W US					MYTON UT 8405
<u>47-88</u>	Underground	P	19470120 DIS	0.015 0.000	VINCENT CARR	
	N950 W140 E4 13 4S 2W US					ROUTE 3 BOX 37

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240  
[Natural Resources](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)



43013342600000 Wilcken 16-24-4-2

Casing Schematic



Well name:	<b>4301334260000 Wilcken 16-24-4-2</b>		
Operator:	<b>Newfield Production Company</b>		
String type:	<b>Surface</b>	Project ID:	<b>43-013-34260-0000</b>
Location:	<b>Duchesne County</b>		

**Design parameters:**
**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 73 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 185 ft

Cement top: 321 ft

**Burst**

Max anticipated surface pressure: 528 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 600 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 524 ft

**Non-directional string.**
**Re subsequent strings:**

Next setting depth: 6,825 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,978 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 600 ft  
Injection pressure: 600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	600	8.625	24.00	J-55	ST&C	600	600	7.972	214.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	262	1370	5.233	600	2950	4.92	14	244	16.94 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 810-538-5357

Date: June 9, 2009  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



Well name: **43013342600000 Wilcken 16-24-4-2**

Operator: **Newfield Production Company**

String type: **Production**

Project ID:

**43-013-34260-0000**

Location: **Duchesne County**

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 161 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 368 ft

Cement top: 1,216 ft

**Burst**

Max anticipated surface pressure: 1,477 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,978 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 5,958 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6825	5.5	15.50	J-55	LT&C	6825	6825	4.825	912.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2978	4040	1.357	2978	4810	1.62	92	217	2.35 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 810-538-5357

Date: June 9, 2009  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6825 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

## BOPE REVIEW

Newfield Wilcken 16-24-4-2

API 43-013-34260-0000

## INPUT

Well Name

Newfield Wilcken 16-24-4-2	API 43-013-34260-0000
String 1	String 2
8 5/8	5 1/2
600	6825
0	600
8.4	8.4 ✓
0	2000
2950	4810
2955	8.3 ppg ✓

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

## Calculations

String 1 8 5/8 "

Max BHP [psi]

.052\*Setting Depth\*MW = 262

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP-(0.12\*Setting Depth) = 190

NO

O.K.

Air drill

MASP (Gas/Mud) [psi]

Max BHP-(0.22\*Setting Depth) = 130

NO

\*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe

Max BHP-.22\*(Setting Depth - Previous Shoe Depth) = 130

NO

O.K.

Required Casing/BOPE Test Pressure

600 psi

\*Max Pressure Allowed @ Previous Casing Shoe =

0 psi

\*Assumes 1psi/ft frac gradient

## Calculations

String 2 5 1/2 "

Max BHP [psi]

.052\*Setting Depth\*MW = 2981

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP-(0.12\*Setting Depth) = 2162

NO

MASP (Gas/Mud) [psi]

Max BHP-(0.22\*Setting Depth) = 1480

YES

O.K.

\*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe

Max BHP-.22\*(Setting Depth - Previous Shoe Depth) = 1612

NO

Reasonable for Greg

Required Casing/BOPE Test Pressure

2000 psi

\*Max Pressure Allowed @ Previous Casing Shoe =

600 psi

\*Assumes 1psi/ft frac gradient



STATE OF UTAH  
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DIVISION OF OIL, GAS AND MINING

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APPLICATION FOR PERMIT TO DRILL

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2. NAME OF OPERATOR: Newfield Production Company		8. UNIT or CA AGREEMENT NAME: NA	
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13. STATE: UTAH		14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 8.1 miles south of Myton, Utah	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 539' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: NA	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): NA	19. PROPOSED DEPTH: 6,825	20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5323' GL	22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2009	23. ESTIMATED DURATION: (7) days from SPUD to rig release	

24

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24.0	600	Class G w/2% CaCl 175 sx +/- 1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,825	Lead(Prem Lite II) 275 sx +/- 3.26 11.0
			Tail (50/50 Poz) 450 sx +/- 1.24 14.3

25

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist  
SIGNATURE Mandie Crozier DATE 5/15/09

(This space for State use only)

API NUMBER ASSIGNED: 43-013-34260

Approved by the  
Utah Division of  
Oil, Gas and Mining

APPROVAL:

RECEIVED

MAY 15 2009

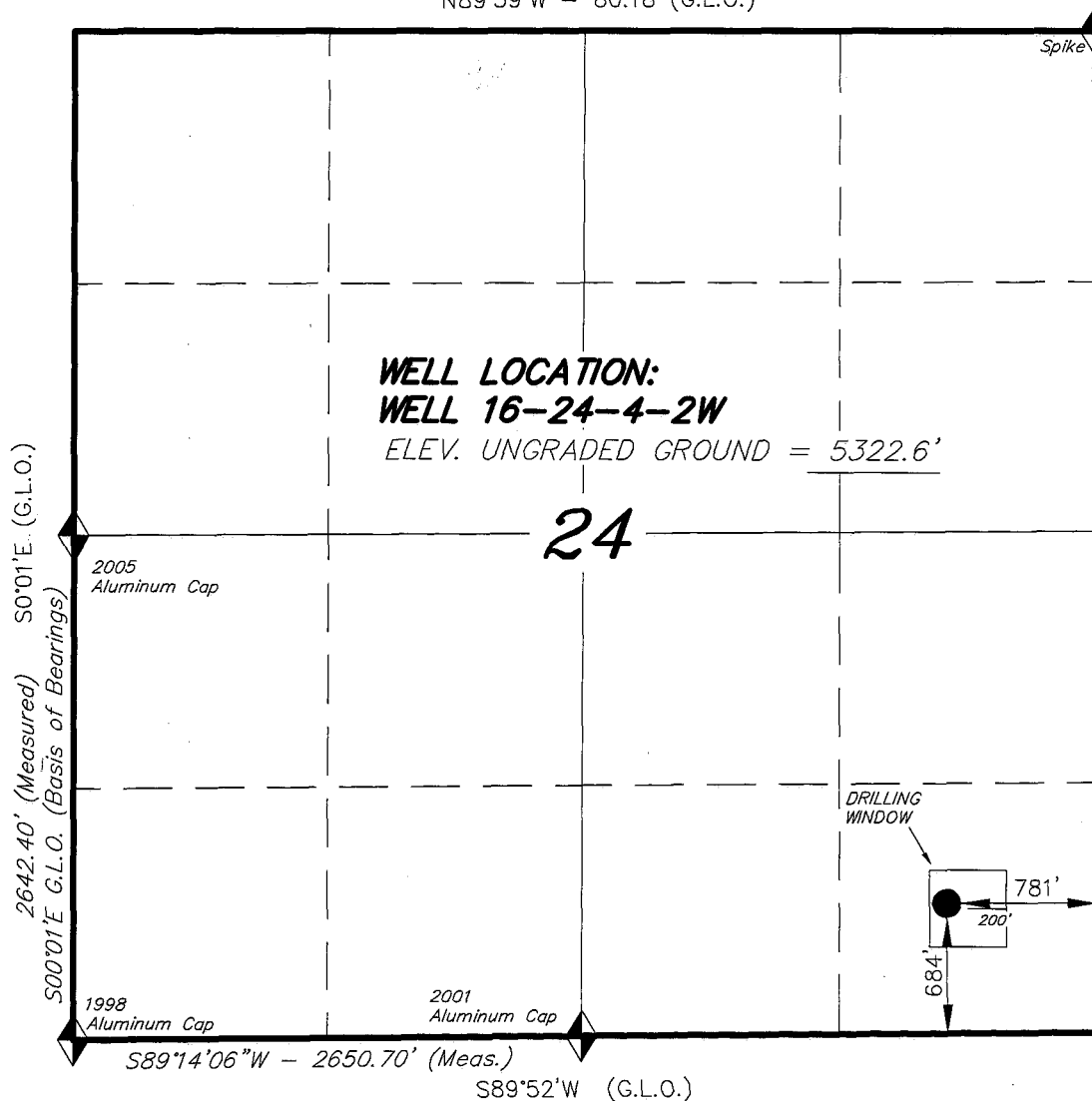
DIV. OF OIL, GAS & MINING

(11/2001)

Date: 5/15/09  
(See Instructions on Reverse Side)  
By: [Signature]

**T4S, R2W, U.S.B.&M.**

N89°59'W - 80.18 (G.L.O.)



**WELL LOCATION:**  
**WELL 16-24-4-2W**  
 ELEV. UNGRADED GROUND = 5322.6'

**24**

2642.40' (Measured)  
 S00°01'E (Basis of Bearings)

2005  
 Aluminum Cap

1998  
 Aluminum Cap

2001  
 Aluminum Cap

S89°14'06"W - 2650.70' (Meas.)  
 S89°52'W (G.L.O.)

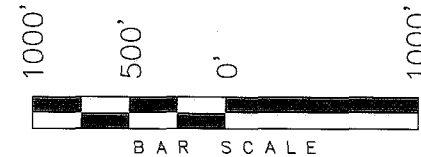
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
 U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**WELL 16-24-4-2W**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 06' 55.00"  
 LONGITUDE = 110° 03' 02.93"

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, WELL 16-24-4-2W,  
 LOCATED AS SHOWN IN THE SE 1/4 SE  
 1/4 OF SECTION 24, T4S, R2W,  
 U.S.B.&M. DUCHESNE COUNTY, UTAH.



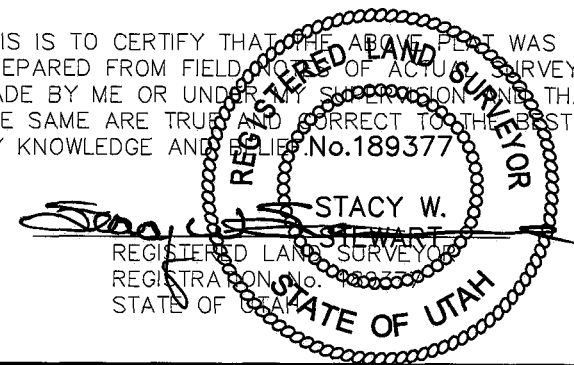
SOUTH (G.L.O.)

**Note:**

The Proposed Well head bears  
 N69°41'24"E 2026.43' from the South  
 1/4 Corner of Section 24.  
 Well footages are measured  
 perpendicular to Section Line



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD BOOKS OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 07-16-08	SURVEYED BY: C.M.
DATE DRAWN: 07-29-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
WILCKEN 16-24-4-2  
SE/SE SECTION 24, T4S, R2W  
DUSCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1,965'
Green River	1,965'
Wasatch	6,825'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1,965' – 6,825'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 600' (New)

Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

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DIV. OF OIL, GAS & MINING

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 350$  feet will be drilled with an air/mist system. From about 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 600' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2009, and take approximately seven (7) days from spud to rig release.



NEWFIELD PRODUCTION COMPANY  
WILCKEN 16-24-4-2  
SE/SE SECTION 24, T4S, R2W  
DUSCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Wilcken 16-24-4-2 located in the SE¼ SE¼ Section 24, T4S, R2W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, approximately 1.4 miles to it's junction with an existing road to the south; proceed in a southeasterly direction approximately 5.9 miles to it's junction with an existing road to the east; proceed in an easterly direction approximately 0.8 miles to it's junction with the beginning of the proposed access road; proceed along the proposed access road approximately 260' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 260' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous

will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** Larry and Jean Wilcken  
See attached Easement ROW and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological and Paleontological Report Waiver is attached. See Exhibit "D".

**Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Wilcken 16-24-4-2, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Wilcken 16-24-4-2 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.



A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative


Name: Dave Allred  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #16-24-4-2, SE/SE Section 24, T4S, R2W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

4/1/09  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

This Easement, Right-of-Way and Surface Use Agreement ("Agreement") is entered into this 19th day of January, 2009 by and between **Larry and Jean Wilcken whose address is 3618 North Dry Fork Canyon, Vernal, UT 84078**, ("Surface Owner," whether one or more) and Newfield Production Company, a Texas corporation ("NEWFIELD"), with offices at 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Duchesne County, Utah described as follows:

Township 4 South, Range 1 West  
Section 19 NWSE

Township 4 South, Range 2 West  
Section 24 SESE

Section 23 Lot 8 and SWSE

Duchesne County, Utah  
being 134 acres, more or less

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated January 19, 2009, as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

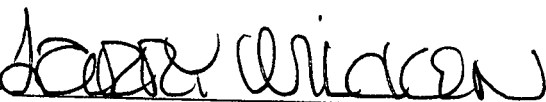
Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD's oil and gas leases remain in effect.


This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned. This agreement replaces and supersedes any and all prior agreements covering the lands described herein.

These Parties hereto have executed this document effective as of the day first above written.

SURFACE OWNER

NEWFIELD PRODUCTION COMPANY

By:   
Larry Wilcken

By:   
Gary D. Packer, President

By:   
Jean Wilcken


201ROW012-001

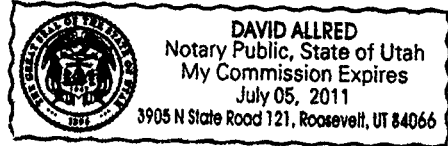
STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 19 day of Jan, 2009 by **Larry Wilcken**.

Witness my hand and official seal.

My commission expires July 5, 2011

  
Notary Public

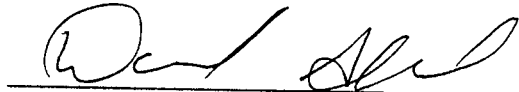


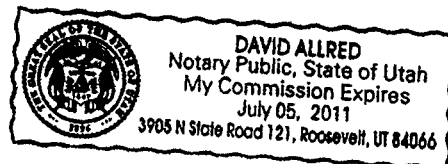
STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 19 day of Jan, 2009 by **Jean Wilcken**.

Witness my hand and official seal.

My commission expires July 5, 2011

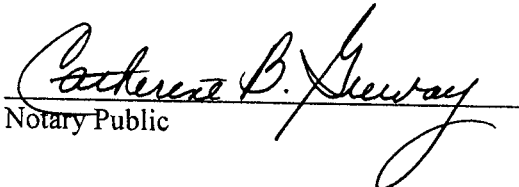
  
Notary Public



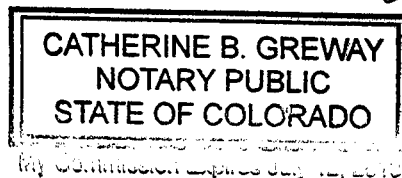
STATE OF COLORADO )  
 )ss  
COUNTY OF DENVER )

This instrument was acknowledged before me this January 30, 2009 by **Gary D. Packer, as President of Newfield Production Company**, a Texas corporation, on behalf of the corporation.

Witness my hand and official seal.

  
Notary Public

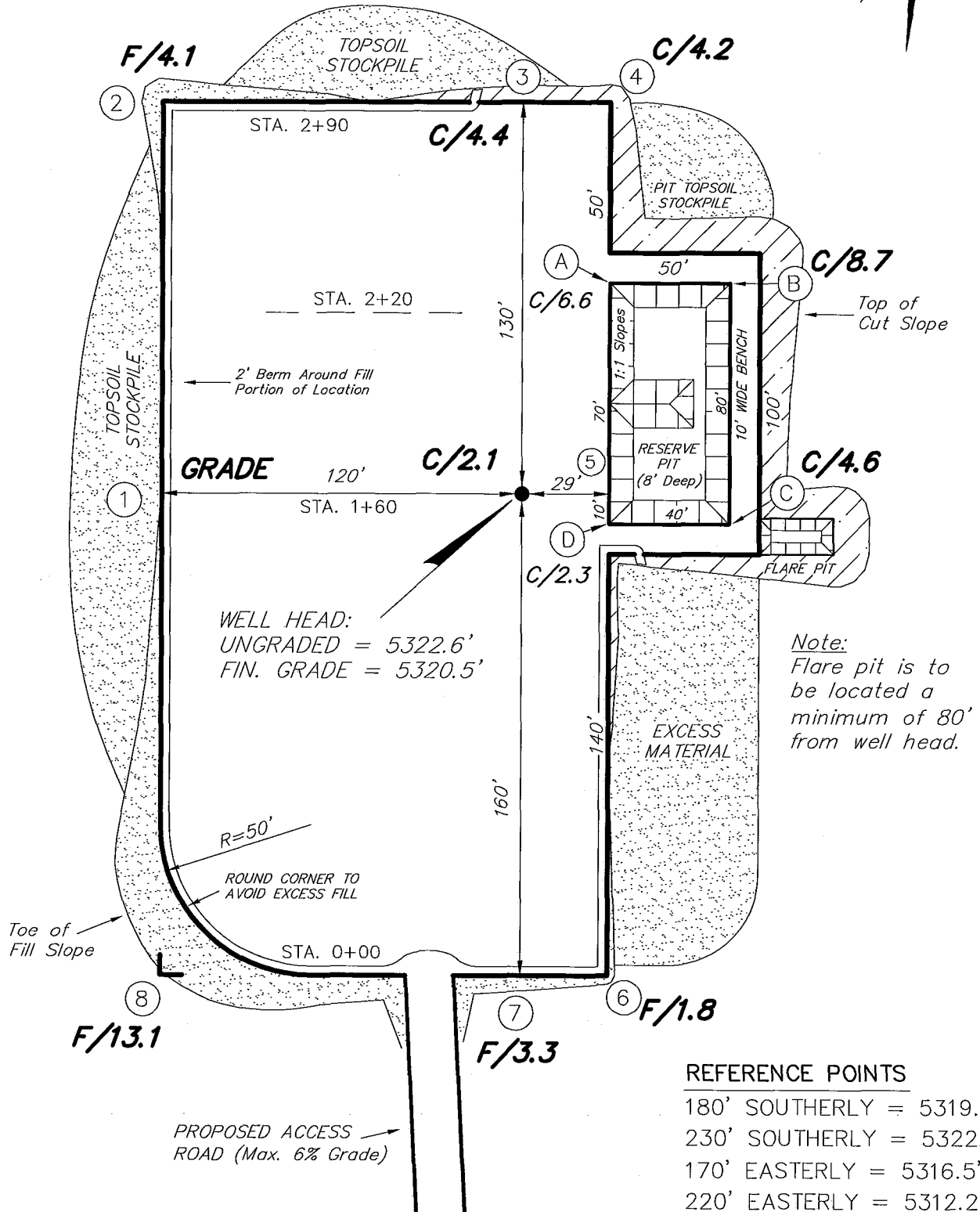
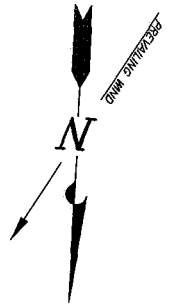
My commission expires 7/12/2010



# NEWFIELD PRODUCTION COMPANY

WELL 16-24-4-2W

Section 24, T4S, R2W, U.S.B.&M.



## REFERENCE POINTS

180' SOUTHERLY = 5319.4'  
 230' SOUTHERLY = 5322.4'  
 170' EASTERLY = 5316.5'  
 220' EASTERLY = 5312.2'

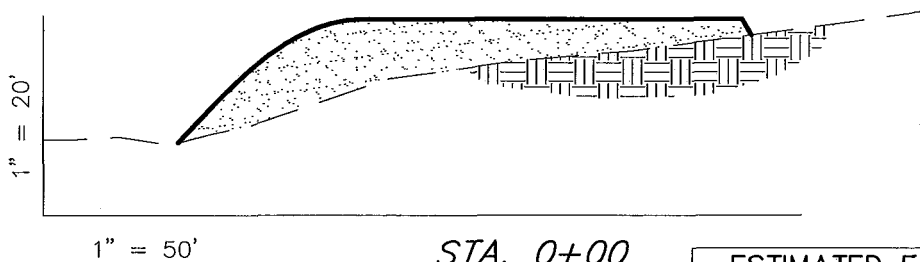
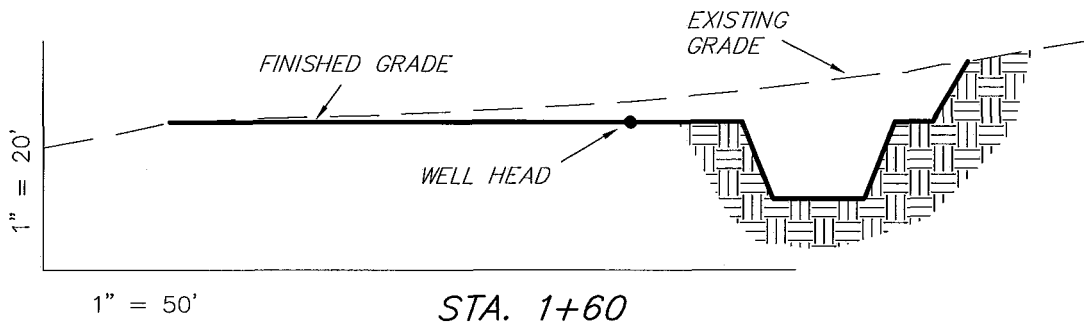
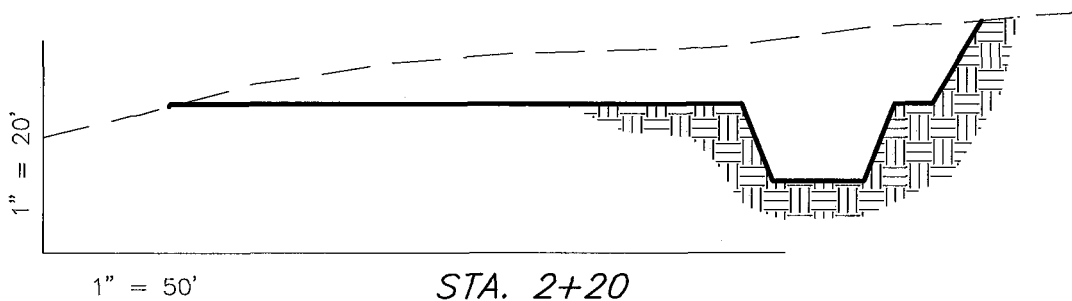
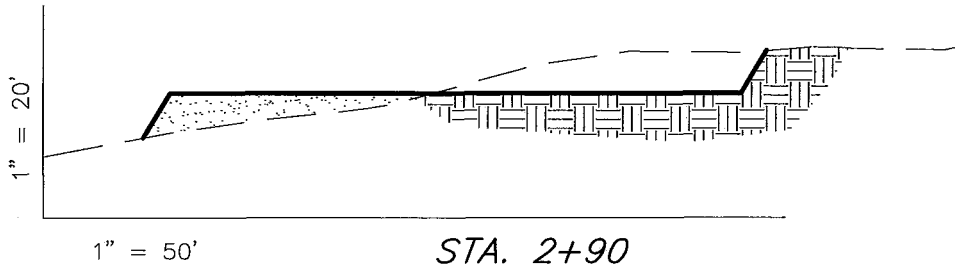
SURVEYED BY: T.H.	DATE SURVEYED: 07-16-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-29-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501



# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS WELL 16-24-4-2W



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,450	3,440	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	4,090	3,440	1,020	650

SURVEYED BY: T.H.

DATE SURVEYED: 07-16-08

DRAWN BY: F.T.M.

DATE DRAWN: 07-29-08

SCALE: 1" = 50'

REVISED:

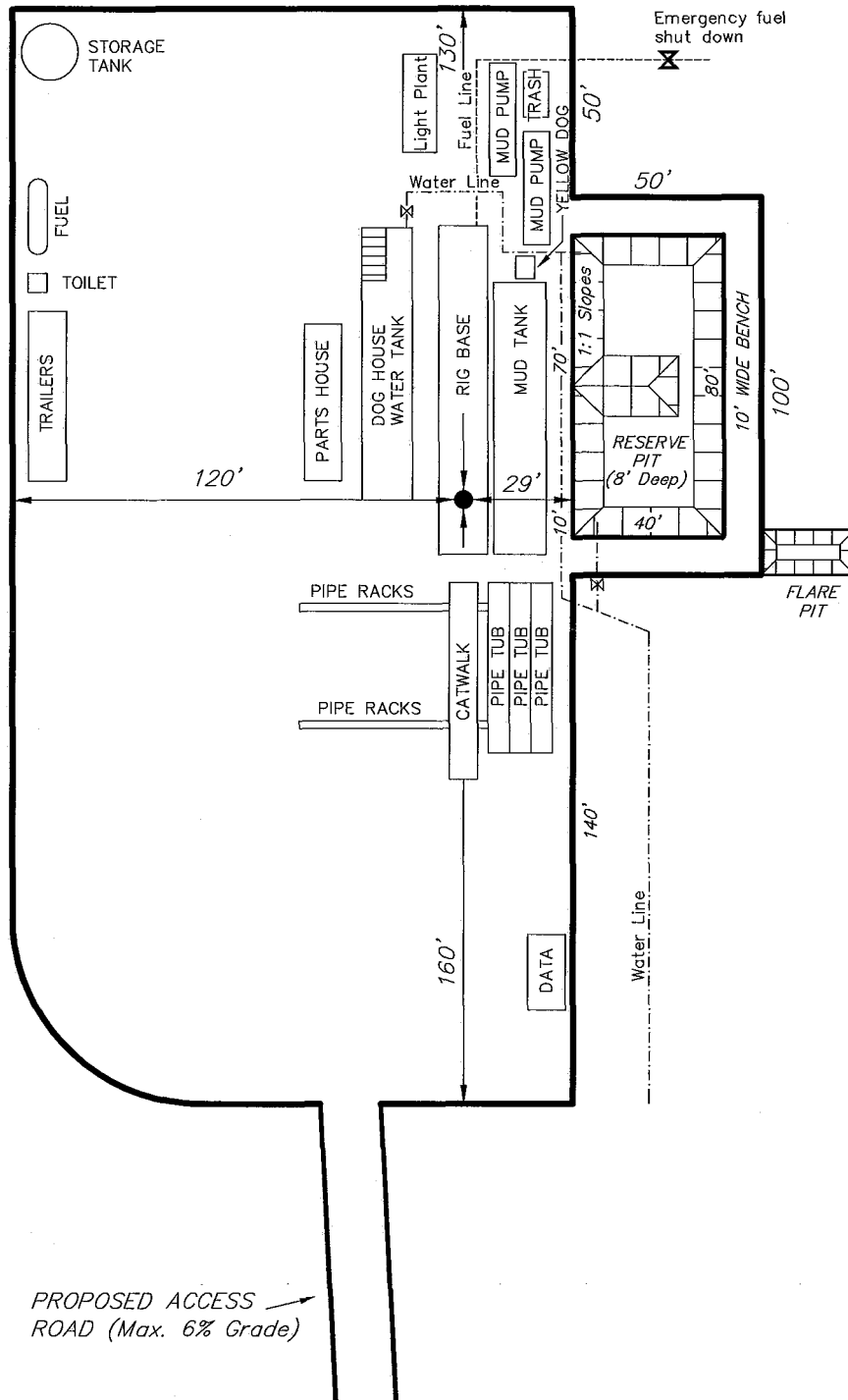
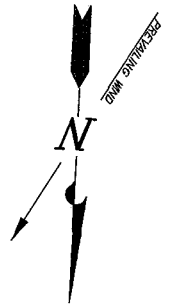
**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

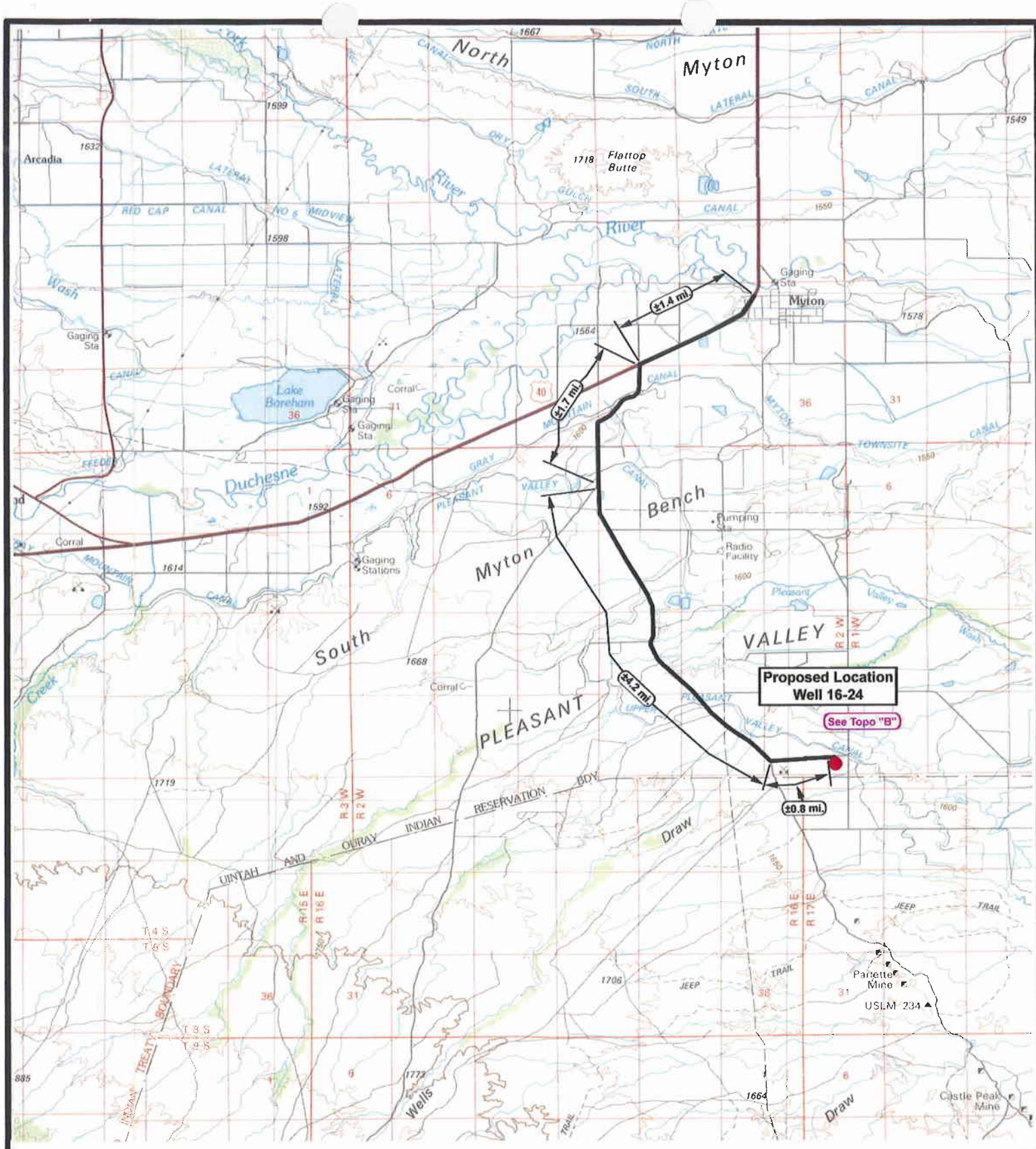
# NEWFIELD PRODUCTION COMPANY


## TYPICAL RIG LAYOUT WELL 16-24-4-2W



SURVEYED BY: T.H.	DATE SURVEYED: 07-16-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-29-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078





**NEWFIELD**  
Exploration Company

**Well 16-24-4-2W**  
**SEC. 24, T4S, R2W, U.S.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: JAS  
DATE: 09-03-2008

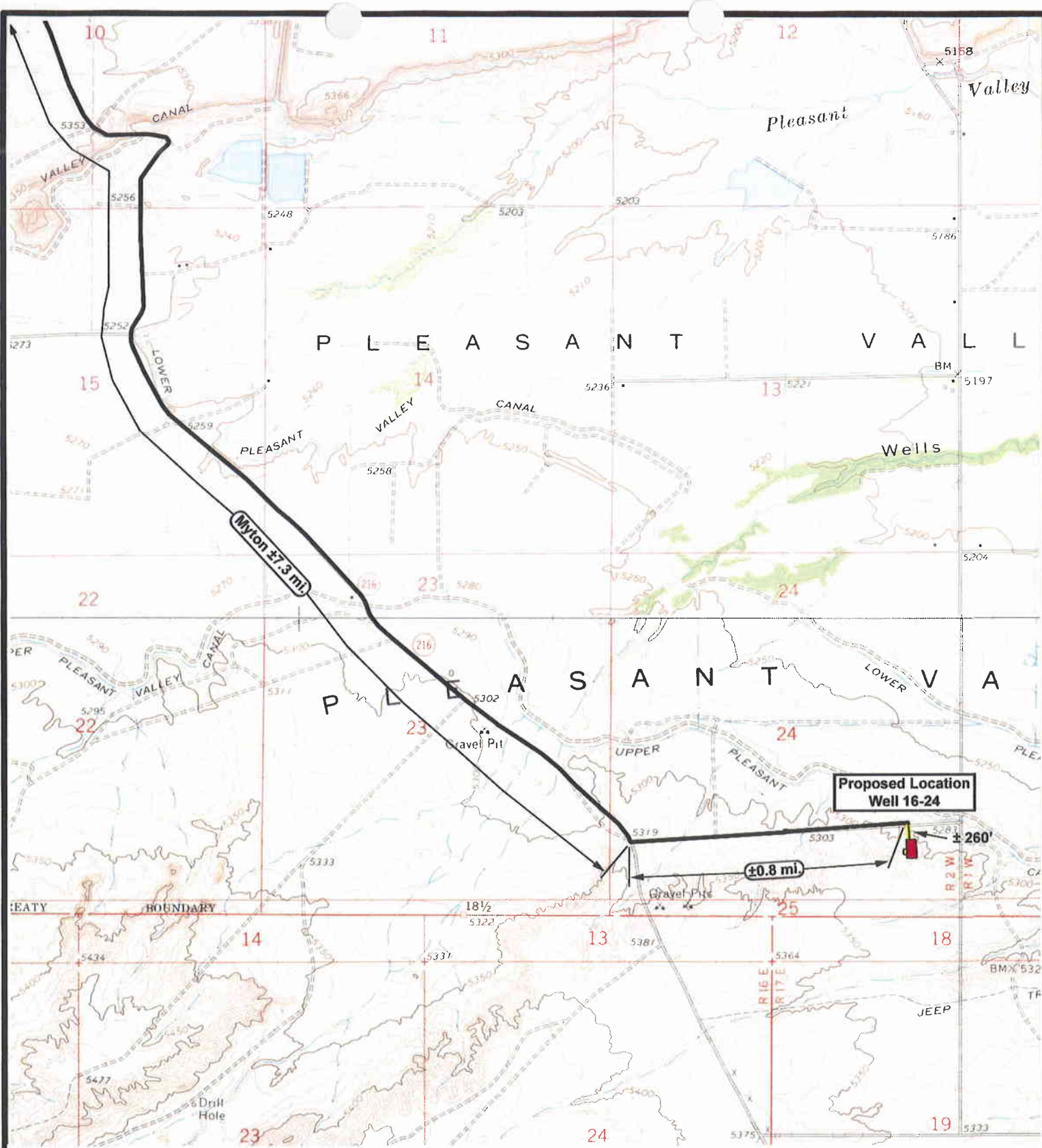
**Legend**


- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**







**NEWFIELD**  
Exploration Company


**Well 16-24-4-2W**  
**SEC. 24, T4S, R2W, U.S.B.&M.**




**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 09-03-2008

**Legend**

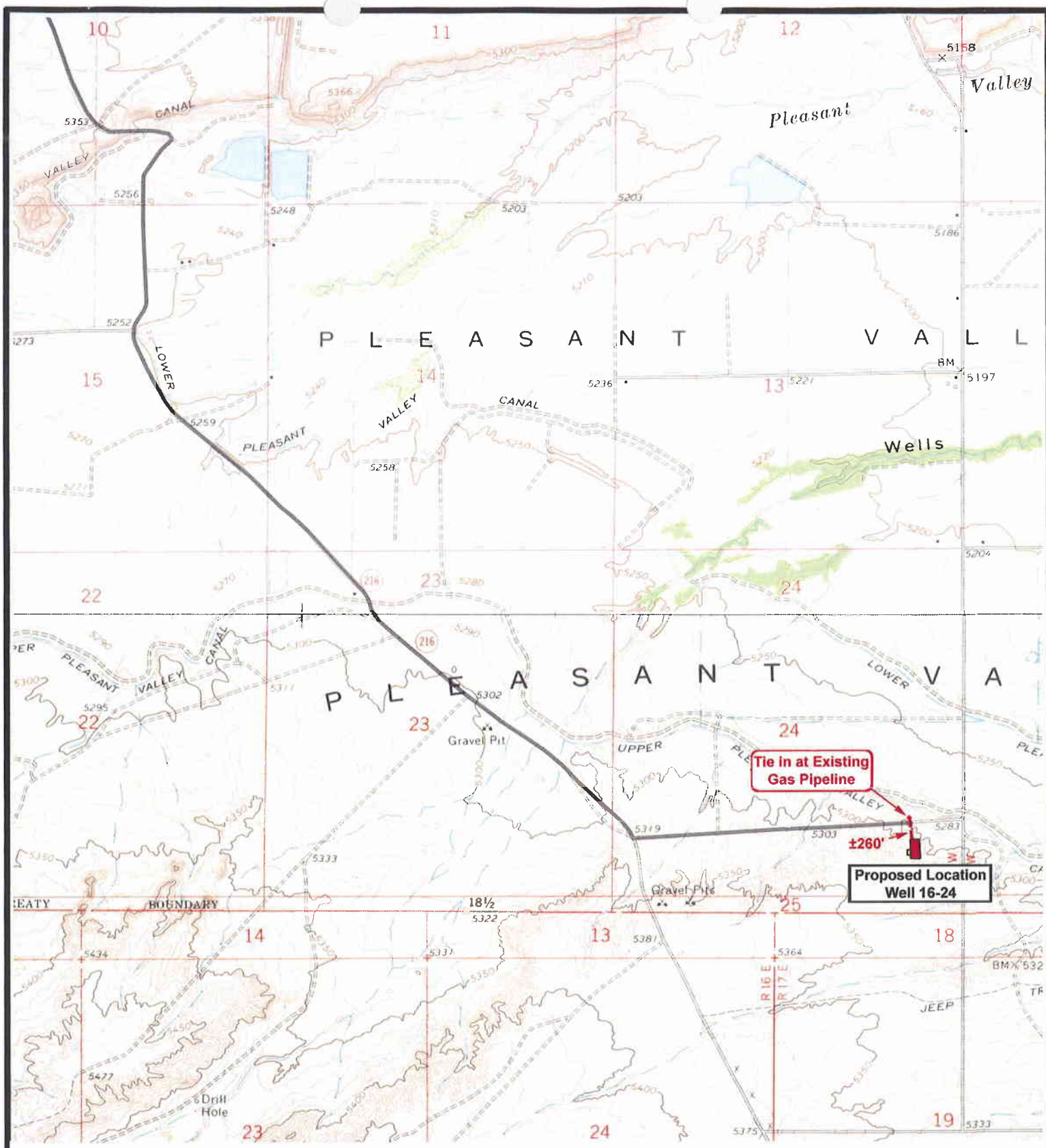
 Existing Road


 Proposed Access

**TOPOGRAPHIC MAP**

**"B"**







**NEWFIELD**  
Exploration Company

**Well 16-24-4-2W**  
**SEC. 24, T4S, R2W, U.S.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 09-03-2008

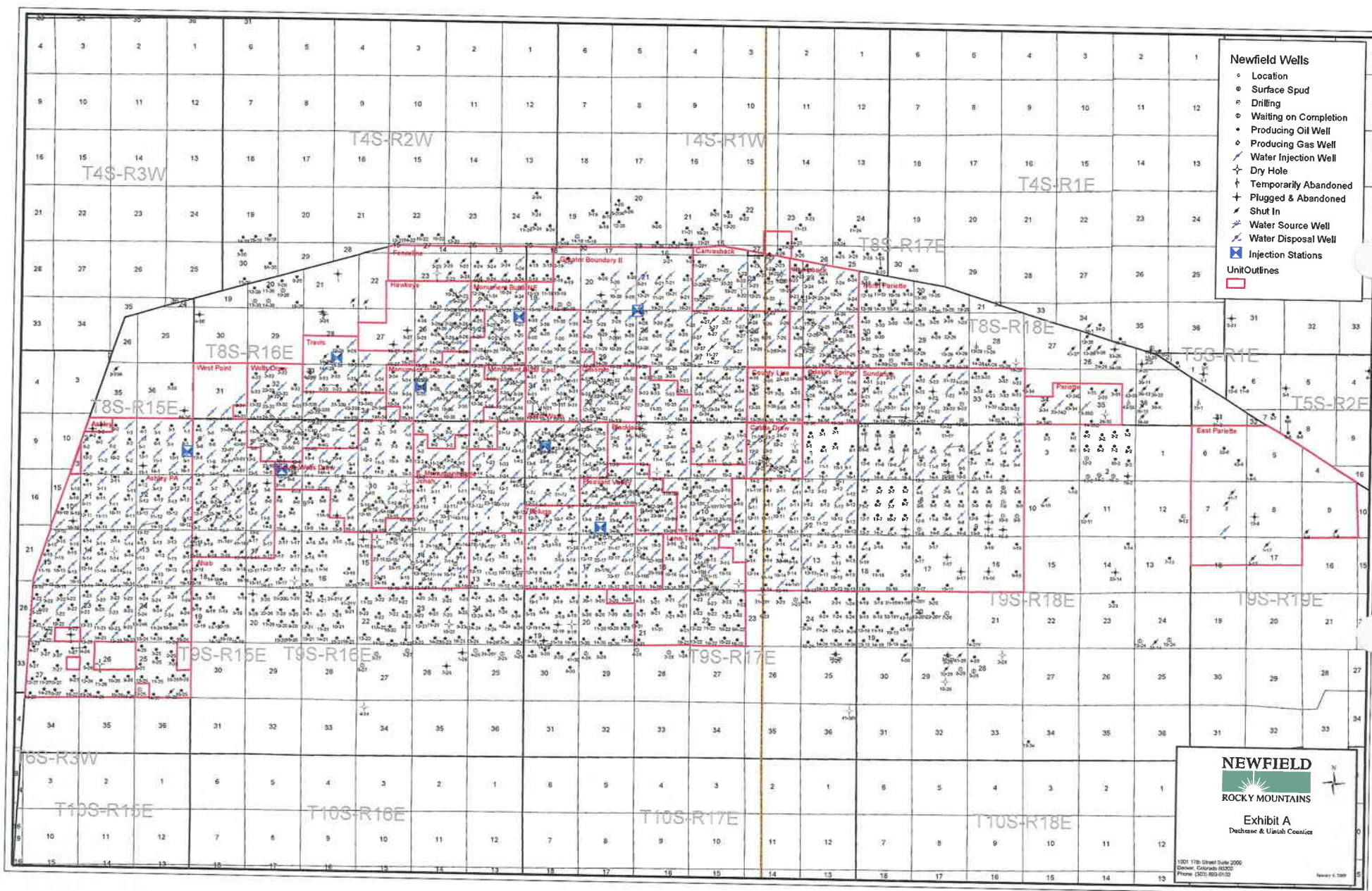
**Legend**

Roads

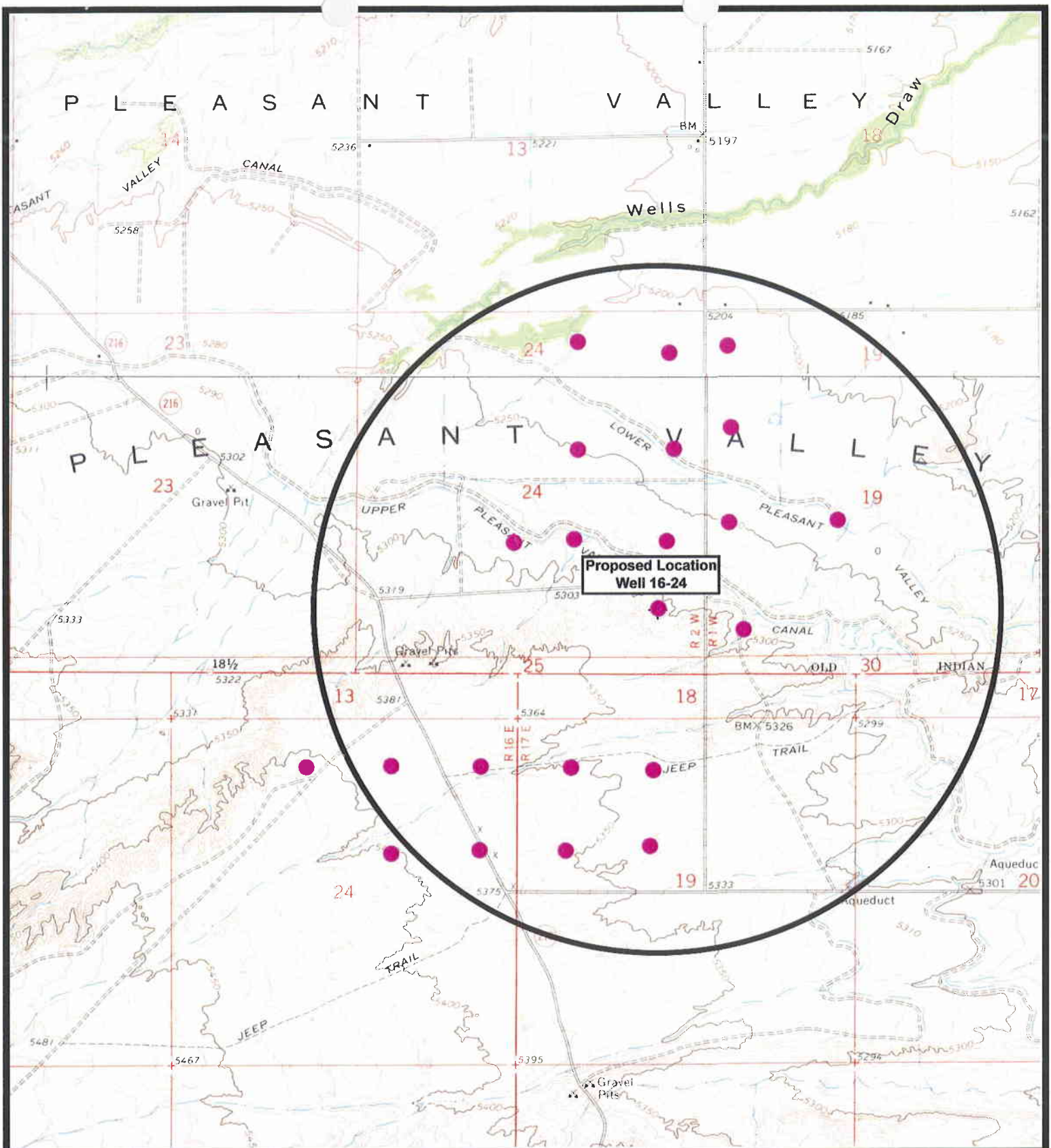
Proposed Gas Line


TOPOGRAPHIC MAP

"C"









**NEWFIELD**  
Exploration Company

**Well 16-24-4-2W**  
**SEC. 24, T4S, R2W, U.S.B.&M.**



N



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 09-03-2008

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

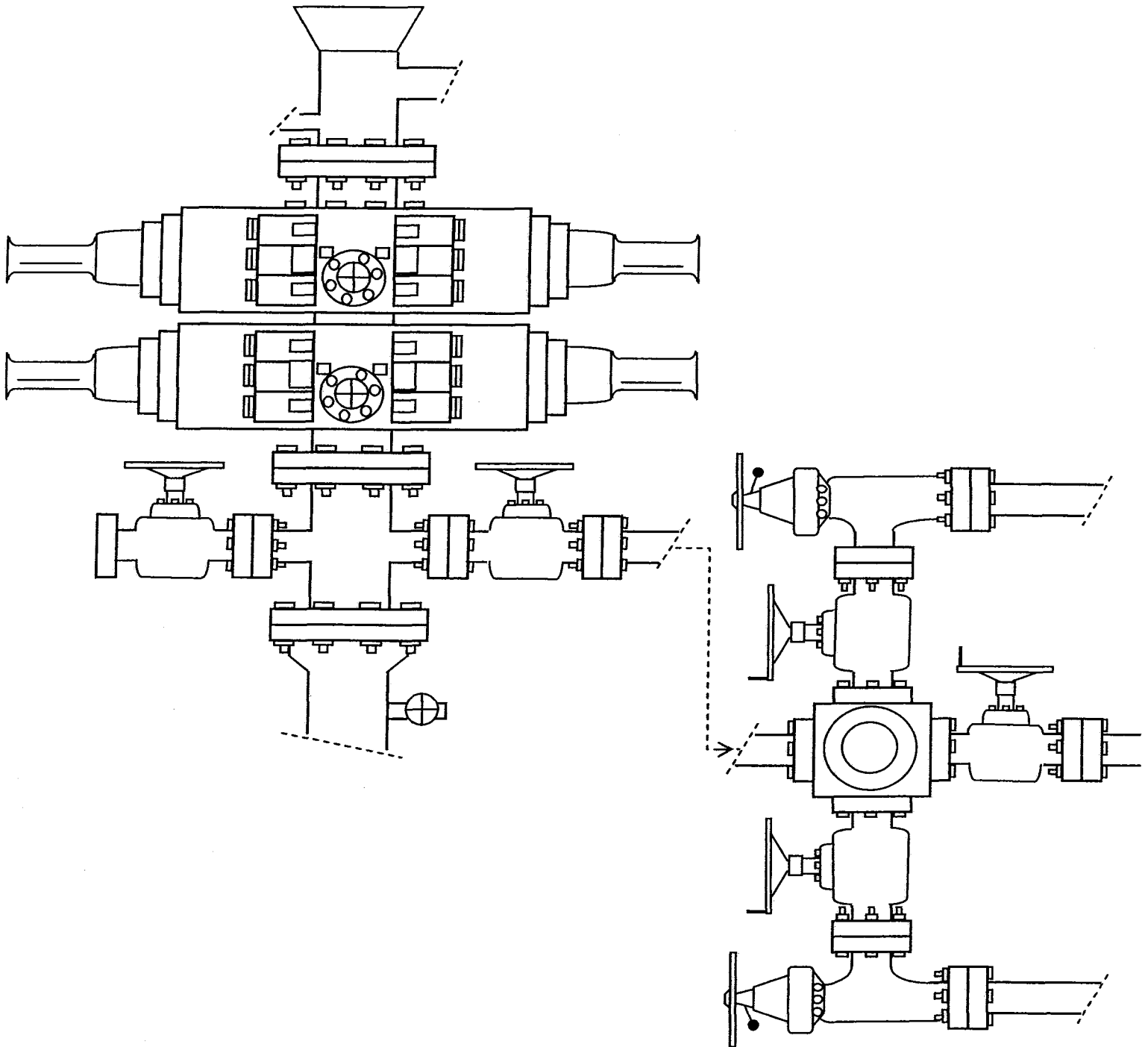


EXHIBIT C

**EXHIBIT D**

Township 4 South, Range 1 West  
Section 19 NWSE

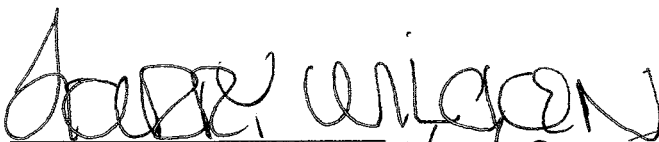
Township 4 South, Range 2 West  
Section 24 SESE

Section 23 Lot 8 and SWSE  
Duchesne County, Utah

**ARCHAEOLOGICAL & PALEOTOLOGICAL REPORT WAIVER**

For the above referenced location; Larry and Jean Wilcken, the Private Surface Owner.  
(Having a Surface Owner Agreement with Newfield Production Company)

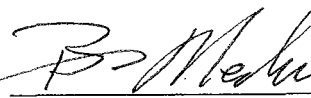
Larry and Jean Wilcken, representing this entity does agree to waive the request from the State of Utah and Bureau of Land Management for an Archaeological/Cultural and Paleotological Resource Survey for any wells covered by the Surface Use Agreement dated 1/19/09 between the above said private land owner and Newfield Production. This waiver hereby releases Newfield Production Company from this request.



Larry Wilcken  
Private Surface Owner

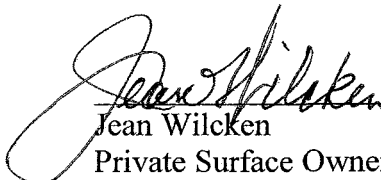
Date

1/19/09

 1-19-09

Brad Meham  
Newfield Production Company

Date

 1/19/09

Jean Wilcken  
Private Surface Owner

Date



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 18, 2009

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Wilcken 16-24-4-2 Well, 684' FSL, 781' FEL, SE SE, Sec. 24, T. 4 South, R. 2 West,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34260.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor





**Operator:** Newfield Production Company

**Well Name & Number** Wilcken 16-24-4-2

**API Number:** 43-013-34260

**Lease:** Fee

**Location:** SE SE **Sec.** 24 **T.** 4 South **R.** 2 West

### **Conditions of Approval**

#### **1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **2. Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### **3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
6. Surface casing shall be cemented to the surface.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: Newfield Production Company

Well Name: Wilcken 16-24-4-2

API No: 43-013-34260 Lease Type: Fee

Section 24 Township 04S Range 02W County Duchesne

Drilling Contractor Ross Rig Rig # 21

### SPUDDED:

Date 09/04/09

Time 07:00 AM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Reed Durfey

Telephone # 435-823-5566

Date 09/08/2009 Signed RM

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: WILCKEN 16-24-4-2
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 24, T4S, R2W		9. API NUMBER: 4301334260
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/07/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/4/09 MIRU Ross # 21 .Spud well @ 7:00am. Drill 625' of 12 1/4" hole with air mist. TIH W/ 14 Jt's 8 5/8" J-55 24 # csgn. Set @ 616.59' On 9/5/09 cement with 231 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 7 bbls cement to pit. WOC.

NAME (PLEASE PRINT) <u>Don Bastian</u>	TITLE <u>Drilling Foreman</u>
SIGNATURE <u><i>Don Bastian</i></u>	DATE <u>09/07/2009</u>

(This space for State use only)

**RECEIVED**  
**SEP 14 2009**

DIV. OF OIL, GAS & MINING

## NEWFIELD PRODUCTION COMPANY - CASING &amp; CEMENT REPORT

8 5/8"	CASING SET AT	628.44
--------	---------------	--------

LAST CASING 8 5/8" SET AT 628.44

DATUM 12.00

DATUM TO CUT OFF CASING                      12.00

DATUM TO BRADENHEAD FLANGE	12.00
----------------------------	-------

TD DRILLER 625 LOGGER           

HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company

WELL WILCKEN 16-24-4-2

FIELD/PROSPECT **Monument Butte**

CONTRACTOR & RIG # **Ross Rig # 21**

## LOG OF CASING STRING:

[illegible]

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	618.44
TOTAL LENGTH OF STRING	618.44	14	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0	0	CASING SET DEPTH	<b>628.44</b>
TOTAL	616.59	14	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	616.59	14		
TIMING				
BEGIN RUN CSG. Spud	7:00 AM	9/4/2009	GOOD CIRC THRU JOB	Yes
CSG. IN HOLE	8:00 AM	9/5/2009	Bbls CMT CIRC TO SURFACE	7
BEGIN CIRC	8:12 AM	9/5/2009	RECIPROCATED PIPI	No
BEGIN PUMP CMT	8:30 AM	9/5/2009		
BEGIN DSPL. CMT	8:48 AM	9/5/2009	BUMPED PLUG TO	470
PLUG DOWN	8:55 AM	9/5/2009		

[illegible]

COMPANY REPRESENTATIVE **Don Bastian** DATE **9/6/2009**



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12418 ✓	4301333881	WEST POINT FEDERAL P-8-9-16	NWSW	8	9S	16E	DUCHESNE	9/1/2009	9/21/09
WELL 1 COMMENTS: GRRU BHL - Sec 7 SESE											
A	99999	17367	4301334260	WILCKEN 16-24-4-2	SESE	24	4S	2W	DUCHESNE	9/4/2009	9/21/09
GRRU											
B	99999	12418 ✓	4301333882	WEST POINT FEDERAL Q-8-9-16	SESW	8	9S	16E	DUCHESNE	9/1/2009	9/21/09
GRRU BHL = NWSW											
B	99999	14844 ✓	4301332792	SUNDANCE 8-15-9-17 Fed	SENE	15	9S	17E	DUCHESNE	9/7/2009	9/21/09
GRRU											
B	99999	13269 ✓	4301334152	S WELLS DRAW Q-3-9-16 Fed	SESW	3	9S	16E	DUCHESNE	9/8/2009	9/21/09
WELL 5 COMMENTS: GRRU BHL = N1ESW											
B	99999	12417 ✓	4301350021	LONE TREE 9-15-9-17	NESE	15	9S	17E	DUCHESNE	9/7/2009	9/21/09
WELL 5 COMMENTS: GRRU											

ACTION CODES (See instructions on back of form)

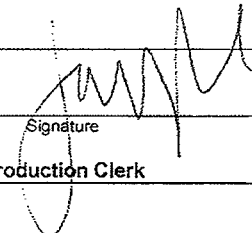
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

RECEIVED

SEP 15 2009

DIV OF OIL, GAS & MINING

NOTE: Use COMMENT section to explain why each Action Code was selected.

Signature:   
Jentri Park  
Production Clerk  
Date: 08/20/09

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL:

OIL WELL ☒

GAS WELL ☐

OTHER

8. WELL NAME and NUMBER:

WILCKEN 16-24-4-2

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301334260

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 24, T4S, R2W

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/16/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/8/09 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 585'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6805'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 162 jt's of 5.5 J-55, 15.5# csgn. Set @ 6805.65' / KB. Cement with 326 sks cement mixed @ 11.0 ppg & 3.43 yld. The 432 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 35 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 105,000 #'s tension. Release rig @ 6:00 on 9/14/09.

NAME (PLEASE PRINT) Jim Smith

TITLE Drilling Foreman

SIGNATURE

DATE 09/16/2009

(This space for State use only)

RECEIVED

SEP 24 2009

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6805.65

LAST CASING 8 5/8" SET AT 628.44  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 TD DRILLER 6805 LOGC 6800  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company  
 WELL WILCKEN 16-24-4-2  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Landing jt		15.5	J-55	LTC	A	14
1	5 1/2"	Shoe jt		15.5	J-55	LTC	A	42.09
161	5 1/2"	csg		15.5	J-55	LTC	A	6750.31
1		Float collar						0.65
1		guide shoe						0.6
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				6807.65
TOTAL LENGTH OF STRING		6807.65		LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		5	210.52	CASING SET DEPTH				<b>6,805.65</b>
TOTAL		6797.4	210.52	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		7002.92	167					
TIMING								
BEGIN RUN CSG.	Spud	11:30 PM	9/14/2009	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		3:00 AM	9/14/2009	Bbls CMT CIRC TO SURFACE				35
BEGIN CIRC		3:10 AM	9/14/2009	RECIPROCATED PIP				Yes
BEGIN PUMP CMT		4:41 AM	9/14/2009	BUMPED PLUG TO				
BEGIN DSPL. CMT		5:34 AM	9/14/2009					
PLUG DOWN		6:00 AM	9/14/2009					1900

Middle first top of first top fo second then every third one for a total of 20

DATE **9/14/2009**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

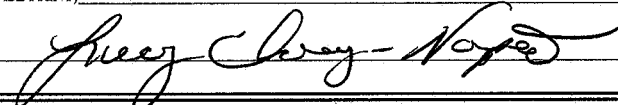
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: WILCKEN 16-24-4-2
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 24, T4S, R2W		9. API NUMBER: 4301334260
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 10/05/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 10-05-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Production Tech
SIGNATURE 	DATE 10/22/2009

(This space for State use only)

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**Daily Activity Report**

Format For Sundry

**WILCKEN 16-24-4-2****7/1/2009 To 11/30/2009****9/22/2009 Day: 1****Completion**

Rigless on 9/22/2009 - CBL & shot 1st stage. - Install 5M frac head & NU Weatherford Cameron single blind BOP. RU HO trk & pressure test casing, wellhead, casing valves & blind rams to 4500 psi. RU Perforators LLC WLT & mast. Run CBL under pressure f/ WLTD of 6716' to sfc. Found cmt top @ surface'. Perforate stage #1, CP4 sds @ 6487-90', 6483- 85', CP3 sds @ 6432- 35', CP2 sds @ 6412- 14', 6390- 93' W/ 3 1/8" slick gun (19 grams, .49" EH, 21.92" pen, 120° phasing & 3 JSPF) for a total of 39 holes. RD WLT. SIFN W/ est 161 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$13,386

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**9/24/2009 Day: 2****Completion**

Rigless on 9/24/2009 - Frac well. Flow back to pit. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & perf guns. Set plug @5750 '. Perforate A1 and LODC sds @5970-72', 6000-02, 6020-24', 6075-77',6093-95', 6104-07',6130-32', 6140-6143 w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00¢ pen., TAG-3375-311SL) w/ 3 spf for total of 60 shots. RU BJ Services. 1435' psi on well. Broke @ 4.2 psi, ISIP @ 2570 psi, 1 min @ 2044 psi, 4 min @ 1951 psi. FG @ .84. Frac A1 and LODC sds w/ 300308#'s of 20/40 sand in 1916 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2885 psi w/ ave rate of 47.3 BPM. ISDP 2570 psi 5 min @ 2499 psi, 10 min @ 2428 psi. FG. @ .86. Leave pressure on well. 2749 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & perf guns. Set plug @ 5750'. Perforate C sds @ 5643-48 ' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00¢ pen., TAG-3375-311SL) w/ 3 spf for total of 18 shots. RU BJ Services. 2097 psi on well. Broke @ 3964 psi, Frac C sds w/ 24945#'s of 20/40 sand in 202 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2649 psi w/ ave rate of 27.7 BPM. ISIP 2365 psi, 5 min @1909 psi, 10 min @1794 psi, 15 min @1762 psi. FG. @ .85. Leave pressure on well. 3137 BWTR - RU BJ Services. 0 psi on well. Broke @ 3063 psi. ISIP @ 1500 psi, 1 Hr 816 psi. FG @ .67. Frac CP2,CP3, and DP4 sds w/ 45,336#'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2826 psi w/ ave rate of 47.3 BPM. ISDP 1950 psi, 5 min @ 1825 psi, 10 min @ 1766 psi, 15 min @ 1726 psi. FG @ .74. Leave pressure on well. 651 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & perf guns. Set plug @5000 '. Perforate GB4 sds @ 4937-43' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00¢ pen., TAG-3375-311SL) w/ 3 spf for total of 18 shots. RU BJ Services. 1686 psi on well. Broke @ 3418 psi, ISIP @ 2132 psi, 1 min @ 1810 psi. FG @ .87. FracGB4 sds w/16403#'s of 20/40 sand in 309.3 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3316 psi w/ ave rate of 27.7 BPM. ISIP 3600 psi, 5 min @ 2465 psi, 10 min @ 2197 psi, 15 min @ 2152 psi. FG. @ 1.2. Open well to pit and flow for 11.5hrs. Recovered approx. 1700bbls. 1746 BWTR

**Daily Cost:** \$0**Cumulative Cost:** \$121,978

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**9/25/2009 Day: 3****Completion**

Rigless on 9/25/2009 - Set Kill plug at 4837 - MIRU Perforators Wireline. RIH with Kill plug and set at 4837'. Flowback well until dead. RD wireline. SI well.

**Daily Cost:** \$0



**Cumulative Cost:** \$124,618

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**9/30/2009 Day: 4****Completion**

WWS #5 on 9/30/2009 - MIRU. Circulate to clean wellbore - MIRU. Check pressure on well. Csg= 275psi. Bleed off well and rec 20 bbls oil. ND Cameron BOPs and frac head. RU Production head and 5000# Bops. RU Floor and Tbg works. PU & Talley 4-3/4" used bit 80 jts 2-7/8" tbg (2549) circulate and clean well. SDFN

**Daily Cost:** \$0**Cumulative Cost:** \$158,717

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**10/1/2009 Day: 5****Completion**

WWS #5 on 10/1/2009 - Drill out plugs and swab well - Check Pressure on well: csg= 100psi, tbg=150psi. Bleed down pressure and continue in hole with 73 jt 2-7/8" tbg. Tag plug at 4837'. RU drilling equipment and drill out plug (14min). Tag Plug at 5000' and drill out (42min). Tag plug at 5750 and drill out plug (15min). Tag sand at 6204 and clean out to plug at 6220'. Drill out plug 16min. Tag sam 6554' and clean out to PBTD at 6762'. RD drilling equipment. LD 3 jts of tbg (EOT=6657') and RU sawb equipment. Make 8 runs with swab equipment. Traces of oil and sand. Returned 65bbls and fluid level @ 1800'. 1681 BWTR

**Daily Cost:** \$0**Cumulative Cost:** \$168,489

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**10/2/2009 Day: 6****Completion**

WWS #5 on 10/2/2009 - Swabbed well. Set tbging string and began RIH with pump and rods. - Check pressure on well: Csg=150psi, tbg=120psi. RIH w/ swab line. Fluid level at 1600'. Made 5 runs with swab. Fluid level dropped to 2100'. Traces of oil and sand in flowback fluid with moderate amounts of gas. Recovered 55bbls of fluid (120bbls total recovered from swabbing). RD and rack out swab. PU 3 jts tbg and tag PBTD at 6762'. Circ well and LD 8jts of tbg and TOOH w/ 205jts 2-7/8" J-55 EUE tbg. RD floor, tbg works, Remove 5000# BOPs. Set 5-1/2" B-2 TA w/ 18000# tension @ 6377', SN @ 6475', EOT @ 6538'. Land tbg w/ B-1 adapter flange. NU wellhead. X-over to rod equipment. Pump 60 bbls wtr down tbg. PU and Prime 2-1/2" x 1-1/2" x 16' x 20' RHAC w/ 182" stroke length. RIH with pump, 6 1-1/2" wt bars, 20 3/4" guided rods, 60 3/4" plain rods. PU polish rod and SDFN. Left early to attend rod handle school with NORRIS. Transferred 50 bbls oil. 1686 BWTR

**Daily Cost:** \$0**Cumulative Cost:** \$174,111

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**10/5/2009 Day: 7****Completion**

WWS #5 on 10/5/2009 - Finish running rods, PWOP - Check pressure csg= 80psi tbg=0. Continue Rih wi 72- 3/4" plain rods and 99 7/8" guided. PU 1-1/2" x 30' Polish rod. Stroke pump with unit. Good Pump action. POP @ 11:00am. 1686 BWTR **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$196,044

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. FEE			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						6. If Indian, Allottee or Tribe Name NA			
2. Name of Operator NEWFIELD EXPLORATION COMPANY						7. Unit or CA Agreement Name and No. FEE			
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202						8. Lease Name and Well No. WILCKEN 16-24-4-2			
3a. Phone No. (include area code) (435)646-3721						9. AFI Well No. 43-013-34260			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 684' FSL & 781' FEL (SE/SE) SEC. 24, T4S, R2W  At top prod. interval reported below  At total depth 6805'						10. Field and Pool or Exploratory MONUMENT BUTTE			
						11. Sec., T., R., M., on Block and Survey or Area SEC. 24, T4S, R2W			
						12. County or Parish DUCHESNE		13. State UT	
14. Date Spudded 09/04/2009		15. Date T.D. Reached 09/14/2009		16. Date Completed 10/02/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 5323' GL 5335' KB			
18. Total Depth: MD 6805' TVD		19. Plug Back T.D.: MD 6762' TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <input checked="" type="checkbox"/> DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		628'		321 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6805'		326 PRIMLITE		0'	
						432 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6538'	TA @ 6380'							
25. Producing Intervals									
Formation		Top	Bottom	26. Perforation Record 4937-4943		Size	No. Holes	Perf. Status	
A) GREEN RIVER				(CP4)(CP3)(CP2)see belo		.49"	3	39	
B) GREEN RIVER				(A1)(LODC)see below		.34"	3	60	
C) GREEN RIVER				(C) 5643-5648'		.34"	3	18	
D) GREEN RIVER				(GB4)4937-4943'		.34"	3	18	
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
6390-6490'		Frac CP2, CP3, and CP4 sds w/ 45,336#s of 20/40 sand in 490 bbls of Lightning 17 fluid.							
5970-6143'		Frac A1 and LODC sds w/ 300308#s of 20/40 sand in 1916 bbls of Lightning 17 fluid.							
5643-5648'		Frac C sds w/ 24945#s of 20/40 sand in 202 bbls of Lightning 17 fluid.							
4937-4943'		Frac GB4 sds w/16403#s of 20/40 sand in 309.3 bbls of Lightning 17 fluid.							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/02/09	10/27/09	24	→	153	176	0			2-1/2" x 1-1/2" x 16" x 20' RHAC w/ 182" stroke length.
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status PRODUCING	
			→						
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4351' 4531'
				GARDEN GULCH 2 POINT 3	4654' 4953'
				X MRKR Y MRKR	5168' 5206'
				DOUGALS CREEK MRK BI CARBONATE MRK	5346' 5657'
				B LIMESTON MRK CASTLE PEAK	5764' 6135'
				BASAL CARBONATE	6548'

## 32. Additional remarks (include plugging procedure):

STAGE 1: Perforate stage #1, CP4 sds @ 6487-90', 6483- 85', CP3 sds @ 6432- 35', CP2 sds @ 6412- 14', 6390- 93' W/ 3 1/8" slick gun (19 grams, .49" EH, 21.92" pen, 120° phasing & 3 JSPF) for a total of 39 holes.  
 STAGE 2: Perforate A1 and LODC sds @5970-72', 6000-02, 6020-24', 6075-77',6093-95', 6104-07',6130-32', 6140-6143 w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00" pen., TAG-3375-311SL) w/ 3 spf for total of 60 shots.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)      ☐ Geologic Report      ☐ DST Report      ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification      ☐ Core Analysis      ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi LeeTitle Production ClerkSignature Date 10/29/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)